

Form PTO-1449 (Modified)

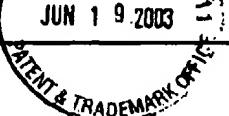
## INFORMATION DISCLOSURE STATEMENT

Atty. Docket No.  
29915/6280MSerial No.  
09/869,414Applicant(s)  
Gurney, et al.Filing Date  
June 27, 2001Art Unit  
1647

JUN 19 2003

JUN 24 2003

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## U.S. PATENT DOCUMENTS

TECH CENTER 1600/1

Examiner Initials	Document Number	Issue or Publication Date	Name	Class	Subclass	Filing Date (If Appropriate)
CD	09/416,901	_____	Gurney, et al.	_____	_____	10/13/1999
	09/548,373	_____	Gurney, et al.	JUN 24 2003	_____	04/12/2000
	09/548,368	_____	Gurney, et al.	TECH CENTER 1600/2900	_____	04/12/2000
	09/548,370	_____	Gurney, et al.	_____	_____	04/12/2000
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	09/548,366	_____	Gurney, et al.	_____	_____	04/12/2000
	09/794,743	_____	Gurney, et al.	_____	_____	02/27/2001
	09/795,847	_____	Gurney, et al.	_____	_____	02/28/2001
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## FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Publication Date	Country	Translation
				Yes No

## OTHER DOCUMENTS


EXAMINER:

DATE CONSIDERED:

3/17/04



PTO/SB/08A (10-01)

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**Complete if Known****INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet	1	of	4	Attorney Docket Number	29915/6280M
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**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
CSN	A1	5,424,205	6/13/95	Dovey et al.	
	A2	5,593,846	1/14/97	Schenk et al.	
	A3	5,733,768	3/31/98	Dixon et al.	
	A4	5,744,346	4/28/98	Chrysler et al.	
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	A22	09/277,229		Citron et al.	
	A23	6,313,268		Hook	
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	A25	60/119,571		Baei et al.	
	A26	60/130,172		Anderson et al.	
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	A32	09/501,700		Anderson et al.	
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CSN	A35	09/723,730		Anderson et al.	
CSN	A36	09/724,571		Anderson et al.	

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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				<i>Complete if Known</i>
				Application Number <b>09/869,414</b>
				Filing Date <b>June 27, 2001</b>
				First Named Inventor <b>Mark Gurney</b>
				Art Unit <b>1647</b>
				Examiner Name <b>C. Nicholee Nichols</b>
Sheet	<b>2</b>	of	<b>4</b>	Attorney Docket Number <b>29915/6280M</b>

<i>CGN</i>	A37	09/724,568		Anderson et al.	
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	A39	6,319,689		Powell et al.	
	A40	6,162,630	12/19/00	Powell et al.	
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	A42	6,358,725	3/19/02	Christie et al.	
	A43	6,361,975	3/26/02	Christie et al.	
<i>CGN</i>	A44	6,291,223	9/18/01	Christie et al.	
<i>CGN</i>	A45	6,545,127	4/08/03	Tang et al.	

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (/if known)				
<i>CGN</i>	B1	WO 96/31122	10/10/96	Dixon et al.		
	B2	WO 96/40885	12/19/96	Chrysler et al.		
	B3	WO 98/13488	4/2/98	Dyrks et al.		
	B4	WO 98/21589	5/22/98	Virginia Lee		
	B5	EP 0848 062 A2	6/17/98	David J. Powell		
	B6	WO 98/26059	6/18/98	Chrysler et al.		
	B7	EP 0855 444 A2	7/29/99	David J. Powell		
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	B11	WO 99/64587	12/16/99	Rholam et al.		
	B12	WO 00/23576	4/27/00	Hook		
	B13	WO 00/47618	8/17/00	Anderson et al.		
	B14	WO 00/58479	10/5/00	Citron et al.		
	B15	WO 00/56871	9/28/00	Postina		
	B16	WO 00/68266	11/16/00	Becker et al.		
	B17	WO 00/69262	11/23/00	Zhong et al.		
	B18	WO 01/00663	1/4/01	Tang et al.		
	B19	WO 01/00665	1/4/01	Tang et al.		
	B20	WO 01/29563	4/26/01	Christie et al.		
	B21	WO 01/31054	5/3/01	Christie et al.		
<i>CGN</i>	B22	WO 01/36600	5/25/01	Zhu et al.		
<i>CGN</i>	B23	WO 01/38487	5/31/01	Zhu et al.		
Examiner Signature	<i>gchies</i>			Date Considered	6/29/03	



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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>			
Sheet	3	of	4
Attorney Docket Number <b>29915/6280M</b>			

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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See attached Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

<b>OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
CGN	C1	CHYUNG et al. Novel $\beta$ -Secretase Cleavage of $\beta$ -Amyloid Precursor Protein in the Endoplasmic Reticulum/Intermediate Compartment of NT2N Cells, <i>Journal of Cell Biology</i> , 138: 671-680 (August 11, 1997).	T <sup>2</sup>
	C2	EVIN et al., Alzheimer's disease amyloid precursor protein (A $\beta$ PP): proteolytic processing, secretases and $\beta$ A4 amyloid production, <i>Amyloid; Int. J. Exp. Clin. Invest.</i> 1: 263-280 (September 8, 1994).	
	C3	HAASS et al., Amyloid $\beta$ -peptide is Produced by Cultured Cells During Normal Metabolism, <i>Nature</i> , 359: 322-325 (September 24, 1992).	
	C4	HAASS et al., $\beta$ -Amyloid Peptide and 3-kDa Fragment are Derived by Distinct Cellular Mechanisms, <i>Journal of Biochemistry</i> , 268: 3021-3024 (February 15, 1993).	
	C5	HAASS et al., The Swedish Mutation Causes Early-Onset Alzheimer's Disease by $\beta$ - Secretase Cleavage Within the Secretory Pathway, <i>Nature Medicine</i> , 12: 1291-1296 (December 1995).	
	C6	HIROSAWA et al., Characterization of cDNA Clones Selected by the GeneMark Analysis from Size-Fractionated cDNA Libraries From Human Brain, <i>DNA Res.</i> , 6(5): 329-336 (October 29, 1999).	
	C7	HUSSAIN et al., Identification of a Novel Aspartic Protease (Asp 2) as $\beta$ -Secretase, <i>Molecular and Cellular Neuroscience</i> , 14: 419-427 (1999).	
	C8	KANG et al., The Precursor of Alzheimer's Disease Amyloid A4 Protein Resembles a Cell-Surface Receptor, <i>Nature</i> , 325: 733-736 (February 19, 1987).	
	C9	KITAGUCHI et al., Novel Precursor of Alzheimer's Disease Amyloid Protein Shows Protease Inhibitory Activity, <i>Nature</i> , 331: 530-532 (February 11, 1988).	
	C10	KNOPS et al., Cell-type and Amyloid Precursor Protein-type Specific Inhibition of A $\beta$ Release by Bafilomycin A1, a Selective Inhibitor of Vacuolar ATPases, <i>Journal of Biological Chemistry</i> , 270: 2419-2422 (February 10, 1995).	
↓	C11	KOO and SQUAZZO Evidence that Production and Release of Amyloid $\beta$ -Protein Involves the Endocytic Pathway, <i>Journal of Biological Chemistry</i> , 269: 17386-17389 (July 1, 1994).	
CGN	C12	PONTE et al., A New A4 Amyloid mRNA Contains a Domain Homologous to Serine Proteinase Inhibitors, <i>Nature</i> , 331: 525-527 (February 11, 1988).	



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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	4	of	4	Attorney Docket Number	28341/6280NCP
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CONSIDERED, DO NOT PRINT					
50	C13	SEUBERT et al. Secretion of $\beta$ -amyloid Precursor Protein Cleaved at the Amino Terminus of the $\beta$ -amyloid Peptide, <i>Nature</i> , 361: 260-263 (January 21, 1993).	—		
	C14	SINHA et al., Purification and Cloning of Amyloid Precursor Protein $\beta$ -Secretase from Human Brain, <i>Nature</i> , 402: 537-540 (December, 2 1999).	—		
	C15	SZECSI, The Aspartic Proteases, <i>Scand. J. Clin. Lab. Invest.</i> , 52 (suppl. 210): 5-22 (1992).	—		
	C16	TANZI et al., Protease Inhibitor Domain Encoded by an Amyloid Protein Precursor mRNA Associated with Alzheimer's Disease, <i>Nature</i> , 331: 528-530 (February 11, 1988).	—		
	C17	VASSER et al., $\beta$ -secretase Cleavage of Alzheimer's Amyloid Precursor Protein by the Transmembrane Aspartic Protease BACE, <i>Science</i> , 286 (5440): 735-41 (October 22, 1999).	—		
	C18	YAN et al., Membrane-anchored Aspartyl Protease with Alzheimer's Disease $\beta$ -Secretase Activity, <i>Nature</i> , 402: 533-537 (December 2, 1999).	—		
	C19	ZHAO et al., $\beta$ -Secretase Processing of the $\beta$ -Amyloid Precursor Protein in Transgenic Mice Is Efficient in Neurons but Inefficient in Astrocytes, <i>Journal of Biological Chemistry</i> , 271: 31407-31411 (December 6, 1996).	—		
	C20	PCT Search report for PCT/US 99/20881	—		
50	C21	MULLAN et al., A Pathogenic Mutation for Probable Alzheimer's Disease in the APP Gene at the N-Terminus of $\beta$ -Amyloid, <i>Nature Genetics</i> 1: 345-347, (August 1992).	—		
50	C22	Elan and Pharmacia form Alzheimer's disease research collaboration in the area of Beta-Secretase, News 08/09/2000, <a href="http://www.elaneorp.com">www.elaneorp.com</a> .	—		

Examiner Signature	<i>Gurney</i>	Date Considered	3/27/03
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